

Amendments to the Claims

Please amend claims 1, and 4-7 as indicated below in the listing of claims.

The listing of claims will replace all prior versions, and listings of claims in the application.

Listing of Claims:

1. (Currently Amended) A fusion protein ~~for the alleviation of symptoms associated with multiple sclerosis~~ comprising an immunoglobulin or portion thereof linked to ~~one or more autoantigenic~~ a polypeptides or fragments thereof selected from the group consisting of SEQ ID NO:1 and SEQ ID NO: 2 wherein said immunoglobulin ~~or portion thereof~~ is capable of binding to an Fc receptor and being endocytosed by an antigen presenting cell ~~and said one or more autoantigenic polypeptides or fragments thereof is selected from the group consisting of SEQ ID NO:1 and SEQ ID NO: 2~~ for presentation of the polypeptide on the surface of said antigen presenting cell upon endocytic processing, thereby resulting in downregulation of autoreactive T cells.
2. (Previously presented) The fusion protein of claim 1 wherein the immunoglobulin or portion thereof comprises at least part of a domain of a constant region of an immunoglobulin molecule.
3. (Previously presented) The fusion protein of claim 1 wherein the immunoglobulin or portion thereof comprises a human IgG molecule or portion thereof.
4. (Currently Amended) The fusion protein of claim 1 wherein ~~the said one or more autoantigenic polypeptides or fragments thereof~~ comprises the amino acid ~~residues~~ sequence of SEQ ID NO:1 and the amino acid ~~residues~~ sequence of SEQ ID NO:2.

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5. (Currently Amended) The fusion protein of claim 1 wherein ~~the said one or more~~ autoantigenic polypeptides or fragments thereof comprises at least a portion of myelin basic protein.

6. (Currently Amended) The fusion protein of claim 1 wherein said one or more autoantigenic polypeptides or fragments thereof comprises at least a portion of proteolipid protein.

7. (Currently Amended) The fusion protein of claim 1 wherein ~~said one or more~~ autoantigenic ~~the~~ polypeptides ~~or fragments thereof~~ comprises at least a portion of myelin basic protein and at least a portion of proteolipid protein.

8.-28. (Canceled)